

**Department of Public Works and Transportation
Montgomery County, Maryland**

DIVISION OF SOLID WASTE SERVICES



SORRT staff member, Jacquie Dennis working with Federal Realty Investment Trust management to set up a recycling program.

***MONTHLY REPORT
OCTOBER 2001***



Printed on Recycled and Recyclable Paper

TABLE OF CONTENTS

OVERVIEW 3

CITIZEN COMMITTEES 4

COLLECTIONS..... 4

WASTE MINIMIZATION..... 5

HAZARDOUS WASTE PROGRAMS..... 6

AIR PERMITS AND ENVIRONMENTAL PROGRAMS 6

RECYCLING..... 7

PILOT PROGRAMS 8

FACILITY ACTIVITIES..... 8

GENERAL INFORMATION11

SOLID WASTE FACTS IN A NUTSHELL12

GLOSSARY OF ACRONYMS13

OVERVIEW

Tonnage at a Glance

The following table shows key material flows during the current month, fiscal year to date (FY Total), and current calendar month in the two prior fiscal years. (County fiscal year 2002 began July 1, 2001.)

FACILITY	Oct FY 02	FY 02 Total	Oct FY 01	Oct FY 00
Materials Recovery Facility ⁽¹⁾	7,556 tons	26,478 tons	7,063 tons	5,093 tons
Brunswick Landfill Facility ⁽⁴⁾	18,392 tons	79,195 tons	13,833 tons	10,530 tons
American Ash Recycling ⁽²⁾	N/A	N/A	3,147 tons	3,122 tons
Resource Recovery Facility ⁽³⁾	43,643 tons	206,658 tons	46,727 tons	41,031 tons
Yard Trim Compost Facility	4,653 tons	14,842 tons	4,052 tons	4,015 tons

⁽¹⁾MRF tons reported are outgoing.

⁽²⁾Tons shipped out to ash recycling facility during the indicated period. All tons so shipped are recycled.

⁽³⁾RRF tonnage refers to tons burned (processed). Waste shipped from the Transfer Station but not burned is in the pit and is not included in the tonnage presented here. For FY02 these tonnages are preliminary, with adjustments made in the December and June monthly reports.

⁽⁴⁾This category only addresses waste sent to the landfill for disposal. It does not include rubble that is recycled at Clean Rock or other locations.

Revenue Analysis and Systems Evaluation — During October, program staff:

- Handled routine level of billing questions.
- Coordinated work on rate model, fiscal health and Master budget spreadsheet.
- Continued work on Variable Rate Study: drafted report materials and prepared PowerPoint briefing, held two Task Force Meetings.
- Presented at workshop for small apartment buildings.
- Conducted four field inspections for properties of uncertain service/billing category.
- Created Access reports structure and began entering data from field inspection notebooks for condominium properties.
- Updated premise address notebooks for new properties.
- Updated and reported service household counts for the month.

- Continued research and corrections to billing database incorporating new GIS capabilities.
- Continued development of new hauler billing system. Beta testing. Scheduled to go live in December.
- Completed entry of audited 6-month hauler reports into DSWS database.
- Processed non-residential appeals.
- Entered data from recycling processors and self-hauling businesses, filtered-out multi-source data to assure no double counting.
- Prepared preliminary draft of FY01 mass balance and recycling spreadsheet.

CITIZEN COMMITTEES

Facilities Implementation Group – The next scheduled FIG meeting will be November 13, 2001 at the Gothic Barn. FIG had their annual meeting with the County Executive on October 22, 2001.

Solid Waste Advisory Committee – SWAC met Tuesday, October 2, in the EOB, 6th Floor Conference Room. Thirteen SWAC members, seven County staff and two guests were in attendance. The Committee discussed Future Agendas and Meeting Dates as well as the upcoming Recycling Summit.

COLLECTIONS

Refuse – Refuse collections went as scheduled for the month October. There were no disruptions to service.

Recycling – Mixed paper tonnages for the residential program during the past 12 weeks are as follows:

8/6/01 through 8/31/01	9.10 lbs. per household
9/3/01 through 9/28/01	10.08 lbs. per household
10/1/01 through 10/26/01	11.10 lbs. per household

Contractor Performance – In October DSWS received 575 complaints; this represents a 28.39% decrease from October 2000, which had 803 complaints. Fifteen complaints were not promptly resolved by the contractors in October; all were corrected by the County and charges (fines) were assessed to the companies.

Enforcement Actions – Twenty-one citations were issued for violations of the County's Solid Waste Laws:

Fourteen citations	Not having a valid collectors tag attached	\$7,750
--------------------	--	---------

Two citations	Not having a valid collectors license	\$1,000
Four citations	Collecting solid waste before 7 a.m.	\$2,250
One citation	Not having a suitable tight fitting cover	\$500

One NOV was issued for violations of the County's Solid Waste Laws for failure to provide sufficient containers for the storage of solid waste.

Customer Service – DSWS received 9,161 incoming calls; and 268 follow-up calls were made for quality check. There were 1,011 blue bins delivered and 301 e-mail requests handled by the Customer Service Staff.

WASTE MINIMIZATION

Latex Paint Management – The County continues to promote home-management of latex paint. These efforts are beginning to show some results. DSWS is working to quantify the decrease.

Bicycle Recycling – There were no bicycle pick-ups in October.

Computer Recycling – Approximately 24 tons of computers were recycled in October under the computer recycling program.

Department of Environmental Protection's Home Composting and Source Reduction Activities – The October "Green Man" column in the Gazette, "Turning Brown Leaves into Healthy Lawns," generated a great deal of response, including a request for an on-air interview at WTOP. The column itself will continue to appear monthly, and also appears in digest form at greenman.askDEP.com. In addition, Eco Minutes from the Green Man continue to air weekdays on WARW 94.7 FM., with a new Eco Minute presented every week. Tips are also found on www.classicrock947.com.

Meetings are underway with the Department of Corrections to explore the feasibility of a pilot food waste composting operation using an in-vessel system. Current daily generation, to be confirmed by Corrections staff, is estimated at one to three tons. Community partnerships are also being explored as a means to turn hundreds of tons of waste annually into a resource for the neighboring community and non-profit educational groups.

A cooperative project is underway with Montgomery County Public Schools to create new multilingual posters, ads, and publications on waste prevention, organics recycling, and pollution prevention through the use of in-school language classes and immersion programs. Final materials might be used inside schools themselves, or even developed into print media. The materials developed by (and for) students and their respective communities will build upon existing graphics developed for similar County campaigns.

HAZARDOUS WASTE PROGRAMS

Household Hazardous Waste Collection – HHW events were held in October at the Transfer Station and the Briggs Chaney Park and Ride Lot; 540 patrons and 238 patrons attended the two events, respectively.

Small Quantity Generator (Ecowise) Program- One Ecowise event was held in October; six companies attended.

AIR PERMITS AND ENVIRONMENTAL PROGRAMS

Resource Recovery Facility (RRF): CEMS Tracking of RRF Operations – The Continuous Emissions Monitoring System (CEMS) continues to function properly.

The CEMS-web site is functioning satisfactorily. However, the problem of getting the data at midnight remains unsolved. Staff is still working on the problem.

In the first week of October, the set of nine CEMS CD-ROM's was updated to include CEM data up to September 30, 2001. Copies of the CD-ROM's were placed in the Rockville and Poolesville libraries and distributed to DSWS staff, SWAC and FIG.

The annual stack-test for the RRF is scheduled from October 30 through November 8.

DSWS received the RRF Draft Title V Air permit from MDE. Copies of the permit were mailed to Chairs of SWAC, FIG, Air Quality Subcommittee, and Sugarloaf Citizens Association. MDE will hold a Public Hearing on November 20 at the Gothic Barn.

Oaks Landfill Energy Recovery Facility: Leachate Evaporation Technology – The Leachate Thermal Treatment System (LTTS) operated for 22 days, evaporating, on average, 7.8 gallons of leachate per minute. On October 23, the blower stopped. BENTECH came on site and determined that the firm needs to replace the blower. On November 2, BENTECH placed an order for a new blower. Currently, the backup flare is operating. BENTECH is continuing to pursue efforts to implement an electricity-generating project.

FIG-SWAC Air Quality Subcommittee – The Air Quality Subcommittee will discuss the Title V Permit in the second week of November and communicate its recommendation to FIG. In October, DNR issued a "Scientific Collection Permit" allowing the County to catch fish from the Buchanan Pond and Lermond Pond. Therefore, Non-Air Media Monitoring Program is planned from November 6 to November 8. Sampling equipment shipped by ENSR arrived at the RRF on November 2. ENSR staff is expected to arrive on November 6 for conducting the fieldwork.

Contractual Work - ENSR submitted draft reports on the RRF Epidemiological Study. DSWs will review the report and provide copies to the Air Quality Subcommittee for review.

RECYCLING

Public Outreach – The canvassing effort to go door-to-door to educate residents about the mixed paper recycling program is about to begin. Planning and training is in progress. The preprinted paper bag providing information and tips on mixed paper recycling was distributed in the Sunday inserts of the Washington Post October 21.

MCPS recycling rate: 15%

Commercial Recycling and Waste Reduction – The business recycling handbook is being revised and updated. Staff continued to perform on-site evaluations of recycling programs for businesses. A model-recycling program was set up at the Ivymount School in Rockville. Staff participated in the Taste of Bethesda and spoke to residents concerned about business recycling. The next issue of the SORRT newsletter for Winter 2001 is under development.

Multi-Family Recycling - Staff continued to perform on-site evaluations of recycling programs, and work with property managers and residents to provide assistance and support. Staff is conducting a telephone survey calling every property to ascertain information about their program and their immediate need for technical support and materials. Staff is also notifying each property about the mixed paper program and County requirements. A mixed paper pilot program has begun in 38 multi-family properties. Staff has designed and developed a mixed paper poster in Spanish and English.

Mixed Paper Recycling - Staff continues monitoring the amounts of mixed paper being recycled in each area, troubleshooting and providing additional education to those low performance areas. Training canvassers for the canvass initiative is underway. An educational item in the form of a large paper bag printed with the do's and don'ts of mixed paper recycling was distributed to all single-family households October 21 through the Washington Post.

Volunteer Activities - For the month of October, 26 Volunteers contributed 121 hours to the following activities:

- Household Hazardous Waste collections at the Shady Grove Transfer Station and Briggs Chaney Park and Ride lot.
- Special project at the MarketPro Computer Show.
- Fairs and Festival outreach at several events that included the Taste of Bethesda, Harvest Festival at the Agricultural History Farm Park, Olney Fall Festival, the Upcounty Housing Fair, the Open House at the Chevy Chase Fire Station, and Kentland's Oktoberfest.

PILOT PROGRAMS

Mixed Paper Pilot – We continue to closely monitor the totter pilot program in Potomac, which is showing a 50% increase in paper collected.

Tubgrinding Pilot – Tubgrinding of screened reject material is ongoing.

Ash Recycling Pilot – The ash recycling pilot program ended in June. The Authority received proposals for a long-term ash recycling program on September 19. The proposals are being reviewed.

FACILITY ACTIVITIES

Resource Recovery Facility – Planned outages for several plant systems occurred from October 2 to October 19. The turbine/generator was off-line during the entire period. All three units were taken off-line on October 2 and returned to service as needed. Units 2 and 3 returned on October 4 to manage levels in the refuse pit. Unit 4 was left off-line until the turbine/generator was returned to service on the 19th and electricity sales resumed.

An unscheduled outage occurred on October 28 when major operating controls tripped off-line (lost back-up power). The entire plant began the automated shutdown process as designed. The problem was corrected and normal operations began on the morning of October 29.

There were renewed delays in CSX delivery of waste to the plant. Such delays are causing operational concerns, but Covanta has been able to handle all waste.

Annual emissions testing began on October 30. The report is expected to be issued in 2-3 months.

No Code Red days were forecast and no generation emergencies were called by Mirant.

There were no reportable air or water quality environmental excursions in October.

The following environmental events occurred:

- Submitted the 3rd quarter NPDES and Emissions reports to MDE and NEA.
- Finalized comments to NEA and MDE on the draft Title V permit.
- Submitted report to MDE for an oil spill on October 4.
- Submitted Potable Water Monthly Operating Report for September to MDE.
- County CD-ROM's emission data were updated.

A group of about 30 from the SWANA annual waste conference toured the facility on the 15th. State Delegate Joan Stern and Frazier Blaylock visited on the 25th.

SCS Engineers/Dvirka and Bartilucci continue interviewing personnel and reviewing data in performing the Operations Review and Assessment of the Facility.

Materials Recovery Facility - Approximately 1,583 tons of commingled material were shipped out after processing, and approximately 5,973 tons of mixed paper were loaded out and transferred to the Office Paper Systems processing facility.

The contractor completed the construction of the building expansion in October. The contract for replacement of the processing equipment should be complete in November.

Two additional surveillance cameras were installed bringing the total number of cameras at the facility to eight.

Oaks Landfill – Issues concerning documentation for the Phase I closure construction are resolved.

The Office of the County Attorney prepared a covenant to the Oaks Landfill property deed that was formally filed with the land records of Montgomery County and submitted to MDE. The covenant requires future construction or excavation at the site to be approved by MDE. DEP is still working on MDE's requested modifications to the monitoring plan to be included in the Post-Closure Care Plan for the 30-Year post-closure period at the Oaks Landfill.

SCS Engineers is preparing design plans for subdividing the leachate storage lagoons to facilitate long-term maintenance.

Gude Landfill – URS is continuing with the design of repairs to correct several poorly drained areas at the landfill.

Beantown Dump – DSWs' contractor is working on the protocol for installing the gas venting system at the old Beantown dumpsite. The County continues to work on executing agreements for the installation of gas extraction wells with property owners. DSWs is preparing a task order for the installation of methane gas detectors in businesses on and near the former footprint of the dump.

Transfer Station- During October, Covanta shipped via rail 49,596 tons of processible waste from the Transfer Station to the RRF, 6,690 more tons than shipped in October 2001.

Litter was collected by MES along Shady Grove Road from Route 355 to the intersection with Muncaster Mill Road.

DSWs' contractor worked on a preliminary design scheme for a roof over the Household Hazardous Waste compound.

There were problems throughout the month with the movement of waste to the RRF via rail.

Site 2 Landfill Properties – The Historic Area Work Permit for Chiswell was received and work is 80% completed. The roofing contractor prepared for the start of new roofing in November. Several meetings were held with the general contractor to keep rehabilitation on track.

Two open houses were held at the Chiswell farm and 8-10 interested parties attended. Proposals are due November 30.

The Draper property lease continues to be drafted by DFS.

Solid Waste Facilities Master Plan – Staff is working with FIG to update the Plan.

Yard Trim Compost Facility – The Dickerson Yard Trim Facility received 3,861 tons of grass and 792 tons of leaves for composting in October; 7,029 yards of Leafgro were sold in bulk.

Bagging Operation – In October, 12,3000 bags of Leafgro were produced at the facility and 26,145 bags were shipped to distributors.

Linden Farm Renovations - Under the signed bagging agreement, the County is to renovate the Feed Barn and Bank Barn. Dean Fitzgerald, the contractor, started the renovation work in June. The first phase of the work will be done in December 2001.

Out-of-County Haul

Brunswick County, Virginia - During the month of October, about 13,631 tons of ash residue and 4,761 tons of nonprocessable waste were transported to the County's dedicated disposal cell at the Brunswick Waste Management Facility, Inc. Landfill in Brunswick County, Virginia. About 1,107 tons of rubble were recycled at Clean Rock. Maintenance on the ash container fleet, including replacement of corroded side panels, continues at the Collier Rail Yard near Petersburg, Virginia. Two welding crews are working to catch up on the backlog of containers needing repairs. Prototype, corrosion-resistant containers and coatings continue to be evaluated.

Ash Recycling – The County and the Northeast Maryland Waste Disposal Authority requested additional information from vendors that provided proposals for ash recycling.

GENERAL INFORMATION

Important Telephone Numbers

General information on solid waste	240-777-6400
Customer Service	240-777-6410
Transfer Station	301-840-2370
Materials Recovery Facility	301-417-1447 (MES)
Resource Recovery Facility	240-777-6439 (County Office) 301-916-3031 (Covanta)
Yard Trim Compost Facility	301-428-8185 (MES)
Internet for DSWS	www.MCRecycles.org

Note: All comments, questions, and suggestions on the contents of this report should be addressed to:

Theresa Souders
Department of Public Works and Transportation
Division of Solid Waste Services
101 Monroe Street, 6th Floor
Rockville, MD 20850
Tel: 240-777-6425
Fax: 240-777-6465
E-mail: soudet@co.mo.md.us

SOLID WASTE FACTS IN A NUTSHELL

TOPIC OR FACILITY	
Current Recycling Rate in Montgomery County	36.5%
Recycling Goal	45% by December 2002 50% by December 2004
Resource Recovery Facility (RRF)	Guaranteed Capacity = 85% of 1800 TPD on an annual basis (558,450 tons/yr).
Yard Trim Composting Facility (DCF)	Operations limited to receipt of 77,000 tons/year under Sugarloaf Settlement Agreement. FY01 tons received- 59,643
# Residences receiving trash collection by County contractors	84,540
# Residences receiving collection of recyclables in blue bins and yard waste collection	199,258
Term of out-of-county waste transportation and disposal contract with Brunswick Waste Management Facility, Inc.	June 19, 1997 through June 30, 2012 with an option for a five-year renewal. (Service started on October 20, 1997.)

GLOSSARY OF ACRONYMS

AAR	American Ash Recycling, Inc.
APC	Air Pollution Control
ASME	American Society of Mechanical Engineers
BFI	Browning Ferris Industries
CDL	Commercial Driver's License
CEMS	Continuous Emissions Monitoring System
CIP	Capital Improvements Program
COG	Metropolitan Washington Council of Governments
CSX	Chesapeake Transportation Systems
DEP	Department of Environmental Protection
DFS	Division of Facilities and Services
DNR	Maryland Department of Natural Resources
DSWS	Division of Solid Waste Services
EPA	Environmental Protection Agency
FIG	Facilities Implementation Group
HCFA	Health Care Financing Administration
HHW	Household Hazardous Waste
IFB	Invitation For Bid
LTTS	Leachate Thermal Treatment System
MCPS	Montgomery County Public Schools
MDE	Maryland Department of Environment
MES	Maryland Environmental Service
Mg/l	milligrams per liter
M-NCPPC	Maryland National Capital Park and Planning Commission
MRF	Materials Recovery Facility
MWh	Mega Watt hours
NEA	Northeast Maryland Waste Disposal Authority
NOV	Notice of Violation
NPDES	National Pollution Discharge Elimination System
NTP	Notice to Proceed
OLAC	Oaks Landfill Advisory Commission
OMB	Office of Management and Budget
OPS	Office Paper Systems
PEPCO	Potomac Electric Power Company
PSA	Public Service Announcement
RFP	Request for Proposal
ROL	Reduced Operating Level
RRF	Resource Recovery Facility
SCA	Sugarloaf Citizens Association
SHA	State Highway Administration
SORRT	Smart Organizations Reduce and Recycle Tons
SWAC	Solid Waste Advisory Committee
TCLP	Toxic Characteristic Leaching Procedure
TPD	Tons Per Day
T.R.R.A.C.	Think Reduce and Recycle at Apartments and Condominiums
UT	Ultra-sonic Testing
WM	Waste Management
YTCF	Yard Trim Composting Facility